RE: SWEM code
Hirst, Barbara
to:
Felix Locicero
11/29/2012 10:53 AM
Cc:
Rosella OConnor, Antony Tseng, Robert Nyman, "Lipoti, Jill", "Hirst, Barbara"
Hide Details
From: "Hirst, Barbara" <Barbara.Hirst@dep.state.nj.us> Sort List...
To: Felix Locicero/R2/USEPA/US@EPA,
Cc: Rosella OConnor/R2/USEPA/US@EPA, Antony Tseng/R2/USEPA/US@EPA, Robert Nyman/R2/USEPA/US@EPA, "Lipoti, Jill" <Jill.Lipoti@dep.state.nj.us>, "Hirst, Barbara" <Barbara.Hirst@dep.state.nj.us>
History: This message has been replied to.

The offer from Robin was pretty generic, so to be sure we would be getting what we need to be able to use the model, my staff have provided the following description of the needs. Note, we are in the process of acquiring additional hardware to facilitate our ability to use the model.

1. All input/output files in a structured way so that the calibration/validation runs (pathogen and eutrophication and ECOM/RCA) can be reproduced. This should preferably be accompanied by a description of the structure. Preferably each folder should have a "README" file. This includes all input files which are required to run ECOM/RCA as well as all Fortran or GDP/FORTRAN/shell scripts used to generate the input files. Files and scripts for both the ECOM and RCA inputs are required.
2. All input/output files for the projection runs and the scripts which are required to generate the input files. Projection runs must include the (1) Existing conditions; (2) Pastoral Conditions; (3) LOT; (4) Final Plan as of now.
3. All source codes including the shell scripts and final executable files (for ECOM as well as RCA) used to run the SWEM (for pathogen and eutrophication).
4. All input/output and post-processing files for the runs which were used to compute the fluxes.
5. All GDP/Fortran scripts used to post-process the calibration/validation and the projection runs and generate the figures in the report and presentations.
6. GDP scripts used to compare data and model results including all the input files (data) used so that the figures can be reproduced.
7. Scripts used to compute compliance/attainment with standards (DO, unionized ammonia and pathogens) from the model and data.
8. All related GIS shape files if any were used for post-processing.
9. A document describing all the discharges, the order they are specified in the ECOM/RCA and the segments they are associated with.
10. Set up the LINUX environment (Virtual Box) in the machines: Instructional videos or write-ups to set this up and some technical assistance initially (4-6 hours) in case unexpected issues crop up with the set up.
11. An initial in-person presentation of the materials as well as some interactive hours in case something is missing in the deliverables or if some links/codes are not working.
12. A document with description of all folders/files.

Per the discussion between Jeff and Jill, we understand you plan to do a final run to complete the contract with HydroQual. We will provide you with our thoughts on what you originally proposed.

From: Locicero.Felix@epamail.epa.gov [mailto:Locicero.Felix@epamail.epa.gov]

Sent: Wednesday, November 28, 2012 3:09 PM
To: Hirst, Barbara
Cc: OConnor.Rosella@epamail.epa.gov; Tseng.Antony@epamail.epa.gov; Nyman.Robert@epamail.epa.gov
Subject: Re: SWEM code

Barbara,

Attached is your 8/2/12 email asking for the source code....for SWE< and the PATH models.

Jill L has again requested the source codes and our management has agreed to look for the money to provide these codes.

While we are looking for money and before I ask HydroQual for anything, I want to be sure the following info Robin has told us she can make available address your request.

1. NJDEP would need to provide an external hard-drive, either Linux formatted or Windows NTFS recognizable. It is too much information for an ftp site or multiple dvds to be an option.
2. SWEM eutrophication and PATH indicator organisms model related files

The cost of the above does not include HydroQual providing NJDEP any interactive help or training and assumes that NJDEP has ability to run large FORTRAN-based models.

Please confirm that is acceptable and meets your needs.

Please understand that we are still moving forward to complete the nutrient, pathogen and Toxics TMDLs by May 2013 and that we are doing it with very limited funds. The contract can not be extended and no additional funds or work may be added to this contract, so we have to make do with what we have left.

To get you the source codes, we must find sufficient funds, write a work assignment to a new National contract and try to get to HydroQual as a sub. This will take some time.

Felix

From: "Hirst, Barbara" <Barbara.Hirst@dep.state.nj.us>
To: Rosella OConnor/R2/USEPA/US@EPA
Cc: Felix Locicero/R2/USEPA/US@EPA
Date: 08/02/2012 10:11 AM
Subject: SWEM code

We have been told in the past (Bob Nyman) that HydroQual will make available the source code, input files, and other tools (any user manuals, pre and post processors, user selected coefficients, etc) associated with SWEM and PATH for further agency use. We would like to know how/when we could get this done. This level of information will help us with our water quality improvement efforts for nutrients and pathogens in the harbor waters.